

ACKLEY LAKE DAM

Fact Sheet

PROJECT DESCRIPTION

- Off-Stream Storage Project located in Judith Basin County
- 5 miles southwest of Hobson
- Owned by DNRC & managed by SWPB
- Operated by the Ackley Lake Water Users Association since 1938
- Popular recreation site. Ackley Lake State Park, managed under lease by the Dept. of Fish, Wildlife and Parks, surrounds the northern half of the reservoir.
- Project consists of:
 - Earthen Embankment Dam, 51 feet high, 3,514 feet long
 - Unregulated, trapezoidal earthen section spillway
 - 4-foot diameter corrugated 8-gage metal pipe outlet conduit
 - 48-inch diameter slide gate valve, manually operated
- Constructed in 1938 by the State Water Conservation Board
- Storage at full pool is 5,975 acre-feet, 260 surface acres
- Off stream of the Judith River. Main watershed intercepted by the supply canal is Antelope Creek, with a drainage area of 2.6 square miles.
- 27 water users have 53 contracts for 4,766 acre/feet of water

PROJECT DEFICIENCIES

- Excessive uplift pressure may threaten structural integrity.
- Corrugated metal outlet and drain pipes have exceeded design life and need replacement.
- A pool level restriction has been in place due to risk of failure.

PROPOSED ACTIONS TO ADDRESS DEFICIENCIES

Rehabilitation of the dam will significantly reduce the potential for loss of life and would provide for the continued use of the reservoir for agricultural irrigation, recreation and fisheries. The structure does not meet Montana Dam Safety Act standards. Rehabilitation would bring the structure up to code and extend its useful life for another 50 to 75 years.

Rehabilitation Cost: \$1,487,257.

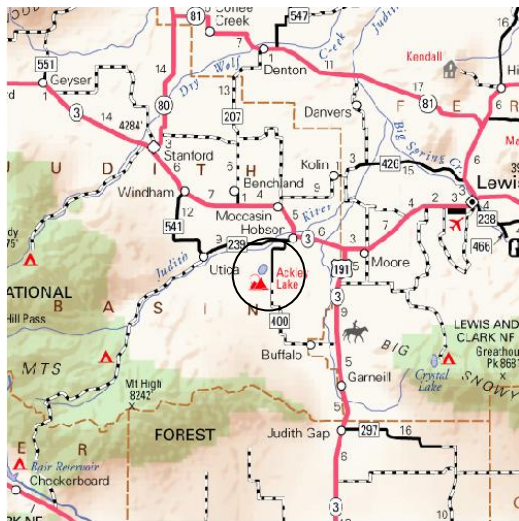
Funding was approved by the 2007 Legislature. Rehabilitation will include the installation of new drains, outlet conduit lining, an earthen berm to reinforce the dam embankment, and a new primary and emergency spillway. Upon completion, the project will meet all current safety standards.

The rehabilitation project is scheduled for completion in the spring of 2009.

Project Maps and Photographs



Ackley Lake Dam looking east



Area Map

